WAE-085GP

8.5dBi Outdoor GP Antenna

Feature Summary

- *8.5dBi 2.4GHz Wireless Antenna*
- *Omni Directional for Outdoor AP use*
- *Female N-Type Connector*

FAQ

Feature

Weather Resistant Antenna
The WAE-085GP is a 8.5dBi wireless antenna constructed of weather resistant material. The omni-directional(360 degree horizontal) coverage makes the antenna ideal for outdoor AP use. The antenna is equipped with female N-Type connector for use with RG-213 cable. Please note the vertical coverage is only 15 degree; therefore, the remote object should at similar altitude as the antenna. For building to building application, please choose the outdoor patch antenna.

Extending AP's antenna Outdoor

Wireless signal loses a majority of its strength when penetrating a concrete wall. Therefore, indoor AP has difficulty to makes its signal available outside of the building. The WAE-085GP allows your AP's antenna to extend outside, mounting on a rooftop or outside wall. This is essential for a community wireless network where the AP will service as the central internet connection hub. Because of its 360 degree coverage, it will ensure the signal will cover the area around the building. However, it is not recommend for building to building bridge use. The antenna comes with N-Type connector for connection with outdoor AP. To connect with indoor AP's reversed-SMA connector, a RG316-SNF adapter cable and RG213-SNN cable is required.

Specification

- **Connector type**
  - Female N-Type
- **Recommended adapter and cable**
  - RG-213-SNN cable required for connection with outdoor AP
  - RG316-SNM cable required for short connection(30cm) with indoor AP
  - RG316-SNF and SG213-SNN required for longer distance(>30cm) with indoor AP
- **Frequency range**
  - 2.4~2.5GHz
- **Impedance**
  - 50 Ohms nominal
- **VSWR**
  - 2.0 or smaller
- **Gain:**
  - 8.5dBi
- **Radiation**
  - Horizontal: 360 degree
  - Vertical: 15 degree
- **Polarization**

  - Vertical
- **Material**
  - Radiator: Copper and Brass
  - Radome: Fiberglass
  - Mounting Base: Zinc Alloy with Chrome Plated
  - Guide Pipe: Aluminum Alloy
  - Bracket: Aluminum Alloy
- **Temperature:**
  - Operating: -20 to +65 degree C
  - Storage: -30 to +75 degree C
- **Dimensions**
  - 570 x 29 mm

Ordering Information

WAE-085GP 8.5dBi GP Antenna